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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.	09361560012			
First Inventor	Scott E. Hrastar			
Title	Systems and Methods for Determining Wireless Network Topology			
Express Mail Label No.	il Label No. EL689064567US			

(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. EL68906456705		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450		
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 69] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS		
- Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets25] 5. Oath or Declaration [Total Sheets3] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Title Page: Cert. of Mailing: Chk \$590 - filing		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box			
Sb, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadvert	or divisional application and is hereby incorporated by reference.		
19. CORRESPONI	DENCE ADDRESS		
Customer Number: 36587	OR Correspondence address below		
Name			
Address			
City	State Zip Code		
Country Te	elephone Fax		
Name (Print/Type) David S. Kervep	Registration No. (Attorney/Agent) 43,712		
Signature	Date November 4, 2003		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patents, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (10-03)

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FEE TRANSMITTAL for FY 2004 Effective 10/01/2003. Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 630.00		Complete if Known			
		Application Number	TBD		
		Filing Date	November 4, 2003		
		First Named Inventor	Scott E. Hrastar		
		Examiner Name	TBD		
		Art Unit	TBD		
		Attorney Docket No.	093615600012		

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Total Claims			920*	1804	920*		<u> </u>
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1. BASIC FILING FEE Large Entity Small Entity Fee	to the above-identified deposit account.			·			
1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	FEE CALCULATION						
125 1480 2254 740 Extension for reply within fourth month 1255 2,010 2255 1,005 Extension for reply within fifth month 1255 2,010 2255 1,005 Extension for reply within fifth month 1401 330 2401 165 Notice of Appeal 1401 330 2402 165 Filling a brief in support of an appeal 1403 290 2403 145 Request for oral hearing 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1452 110 1452	1. BASIC FILING FEE			ı		• •	
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1004 770 2004 385 Reissue filing fee		1401	330	2401	165	Notice of Appeal	<u> </u>
1005 160 2005 80 Provisional filing fee SUBTOTAL (1) (\$) 385.00 1451 1.510 2452 55 Petition to revive - unavoidable 1451 1.510 2452 55 Petition to revive - unavoidable 1451 1.510	1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	<u></u>
SUBTOTAL (1) (\$) 385.00 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Fee Paid Total Claims 38 -20** = 18 × 9 = 162 Total Claims 10dependent 1 × 43 = 43 Multiple Dependent 2 = 1 × 43 = 43 Multiple Dependent 2 = 1 × 43 = 43 Multiple Dependent 3 × 202 9 Claims in excess of 20 1202 18 2202 9 Claims in excess of 3 1203 290 2203 145 Multiple dependent claims in excess of 3 1204 86 2204 43 **Reissue independent claims over original patent 3 **Reissue independent claims over original patent 3 **Reissue claims in excess of 20 and over original patent 3 **Reissue cl	1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Claims Independent Claims Independent Claims Multiple Dependent Claims Multiple Dependent Fee Fee Code (\$) Code (\$	SUBTOTAL (1) (\$) 385.00	1452	110	2452	55	Petition to revive - unavoidable	
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Total Claims 38 -20** = 18 X 9 = 162 1502 480 2502 240 Design issue fee		1501	1,330	2501	665	Utility issue fee (or reissue)	
Independent	Ext <u>ra Claims below</u> Fee Paid	1502	480	2502	240	Design issue fee	
Claims Multiple Dependent		1503	640	2503	320	Plant issue fee	
Large Entity Small Entity Fee Fee Fee Fee Fee Fee Code (\$) 1806 180 1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(b)) 1809 770 2800 385 For each additional invention to be examined (37 CFR 1.129(b)) 1809 770 2801 385 Request for Continued Examination (RCE) 1809 770 2801 385 Request for Continued Examination (RCE) 1809 900 1802 900 Request for expedited examination 1809 770 1809 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 9	Claims 4 - 3 = 1 1 1 1 4 2 1 4 3	1460	130	1460	130	Petitions to the Commissioner	
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**or number previously paid if greater: For Reissues see above	**or number previously paid, if greater; For Reissues, see above				Filing F	ee Paid SUBTOTAL (3) (\$) 40.00	

(Complete (if applicable)) SUBMITTED BY Registration No. Telephone 404-521-3939 Name (Print/Type) David S. Kerven 43,712 November 4, 2003 Date Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	Application of:	*
Scott 1	E. Hrastar) Examiner: TBD
Serial	No. TBD) Group Art Unit: TBD
Filed:	November 4, 2003	Confirmation No.: TBD
For:	"Systems and Methods for Determining Wireless Network Topology")))
	<u>CERTIFICATE OF </u>	EXPRESS MAILING
"Expre	ess Mail" Mailing Label No. EL68906456	vus
Date o	of Deposit: November 4, 2003	•
date ir	Postal Service "Express Mail Post Office	and fees are being deposited with the United to Addressee" service under 37 CFR 1.10 on the Patent Application, Commissioner for Patents,
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	Utility Patent Application Transmittal Sh Utility Patent Application Title Page (1 p Specification (69 pp) Drawings (25 sheets) Power of Attorney and Statement Under Declaration for Patent Application (3 pp) Assignment Recordation Cover Sheet(1 p Copy of Assignment (2 pp) Check No. 1039821 in the amount of Check No. 1039820 in the amount of Certificate of Express Mailing dated Nov Express Mail Label No. EL689064567U Return Postcard Fee Transmittal Sheet (1 page)	age) 37 C.F.R. § 3.73(b) (2 pp) page) \$40.00 to cover recordation fee \$590.00 to cover application filing fee ember 4, 2003

Candace R. Walker

By: